

GIS Users Meeting May 2, 2019 Minutes

Welcome by Everett Root, Office of Technology Partnerships, Center for Shared Solutions.

Federal

USGS – Charley Hickman- The new counties for 3D LiDAR and Elevation are, Ingham, Branch, Monroe, Sanilac, Eaton, Lenawee Ogemaw, St. Clair and Tuscola. Several tiles in Eaton County are missing, so that is being resolved. Status of the LiDAR for the 19 FEMA Counties per Everett Root. There are 9 counties in the Lower Peninsula and the go ahead has been given for those counties to be flown. Parts of 10 Counties are to be done in the Upper Peninsula.

Associations

MiCAMP – Trevor Floyd – The Fall Conference is being planned for September 18th – 20th. Updating the Web information for membership renewals. Are going to be doing a pre-conference survey.

IMAGIN – Ariana Toth –. The 28th Annual Conference this year is June 9 to 11 and will be in Grand Rapids at the Eberhard Center at Grand Valley State University. Registration is now open. Hotel Room block expires May 14th. Newsletter is being finalized. It will have the conference information included. Actively seeking award nominations. The board has several openings.

State

CSS – Mark Holmes – State Agencies entered into a 3-year Enterprise agreement with ESRI. Have a master purchase agreement and Locals can purchase thru that. Server environment work thru 10.6.1 upgrades and looking at 10.7.1. Update for MGF. In the final phase of testing with ESRI.

DTMB BLMISI– Ashley Tarver – Prepping for the 2020 Census using GIS software. Using GUPS Software instead of ArcGIS. Building Dashboards for the industry and releasing population projections for 2045.

EGLE – John Esch – Have a new name. Transitioning to ArcPro. Working on PFAS. Mapping wells. Working on the Well Logic database. This is a water well database that all scanned well files go into. Doing QAQC on well locations. Looking for address points and parcels to tie to wells.

DNR – Paige Gebhardt – Working on System Architecture redesign and getting ready to introduce Portal. Doing Story Maps.

MDOT– Brandon Lambrix – Doing work for the Governor’s office on Gas Maps.

MDOT– Lisa Martin – MDOT Survey Section – Doing culvert collections. 3 Consultants have been selected to finish the State. Currently having some problems using the collector app.

MDOT– Meredith Nelson – MDOT Roads and Highways - Editing for version 20 road network. Map will be available for billboards

MDOT– Mike Belligan – Working on a new environmental clearance map. Providing that to consultants to get the information out to the contractors to complete their reviews.

MLB - FTA – Ryan McNeil – Parcel Repository has been very helpful. Enterprise License will allow other staff to work in GIS. Upgrading from 10.2 ArcGIS.

CSS – Everett Root – Continuing with the MiSAIL Imagery Program. 83% done with imagery flights. Problems w/snow, flooding, making the imagery more challenging to acquire.

CSS – Ulrika Zay – Assisting with Imagery for Parcels exchange with Everett. Alpena just signed an agreement.

Regional

Laura Tschirhart – TCRPC – THE MTPA Conference will be in Lansing this year. Tri County will be hosting. Hiring a Planner and doing some restructuring. Went to the ESRI Midwest Conference. ESRI is doing lots of new interesting things.

Brian Mohr – SEMCOG- Interactive maps are out on the website. The new Community Explorer App will go live later today

Jessa Challa – REGIS – Planning on a West Michigan GIS Meeting in August or September and will have Jessica Moy as a speaker. Developing two interactive maps, Road Construction and PASER ratings for ArcGIS Online. Ongoing GIS support for 19 members. Working on upgrading from 10.2 to 10.6.

Local

Paul McCord – Wayne County – 1 ½ year lapse in GIS in Wayne County. Upgrading to ESRI Enterprise 10.7. Working with the different departments inside the county to find out what the GIS needs are. Working with Everett on imagery.

Josh Green – Grand Traverse County – Stuck in 10.3.1. Working on getting upgrades. Getting all townships into the parcel fabric. Have 2 GIS people at Grand Traverse under Equalization. Working with departments to get GIS online.

Calix Martinez - Oakland County – Working with the Fire Department on getting ArcGIS online to share data. Upgrading to City Works 15.4.1.

Trevor Floyd – St. Clair County – Checking Parcel data. Hired a remote working analyst in Florida. Software seems stable at 10.6. ESRI will stop supporting SQL Server at 10.7. PASER staff is now rating trails. Bringing up LiDAR against building footprints to check.

Nathan Fazer - Midland County – ELA last month. More people working in ArcGIS Online. Mosquito Control has 15 iPad's in the field. Working in Pro everyday when it is working. Planning 2020 Imagery flight. Passed Drone test. Using the contour LiDAR data to do LOMA. Deploying more Arc GIS Online stuff but having problems, hoping to resolve issues with ESRI.

Nicole Bowman – Auburn Hills – Cleaning up data with an asset management system provided by Oakland County. Doing analysis of storm water system.

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Christian Carroll – DeWitt Township – Trying to upgrade ArcGis from 9.3 to something current. Have a Parcel Viewer on the website. Want to get Police and Fire involved. Have many hard copy maps and need to get staff to learn to use digital maps instead of paper.

Other

Mike Cousins – OHM Advisors – Working with SEMCOG Regional Asset Management Program gathering utility information. Working with ESRI to develop work/play and custom tools. Doing SAW Grants and PFAS work, maps and viewers being created. Using Near Map Imagery.

Melissa Salich – FTC&H – Working on Asset Management Plans using Collector and Survey 123.

Tom Thomas – Consumers Energy – Enterprise Portal, updates are breaking applications. Mapping parcels. Looking to replace the Property Management System. Remote employees have laptops/ iPads that they are looking to replace with Surface Pro's.

Erin Bunting – RS&GIS/MSU- Doing Drone Training. 2 Day Training. Online course being offered for Part 107 Test Prep. Hired 4 people and will be offering 3 more positions. Doing parcel fabric work for Iosco County. Maps for the Wine Commission on wine/grape distribution. Working on an open source Parcel Viewer for Ingham County. Enviroweather MSU's Agriculture modeling and climate/weather website updates. Have Portal up and running.

Arianna Toth - Giffels Webster – Hired a new GIS employee. Having enterprise issues.

Morning Special Topic

City of Lansing, Current GIS applications and projects

City of Lansing will be presenting an overview of GIS applications and projects affecting their business practice. The presentation will provide a brief history of GIS at the City of Lansing and how they are currently incorporating GIS within city departments. Projects will include data analytics, cemeteries, and asset management (Cityworks).

Presented by: **Emily St Clair, Andrew Skelton, Sam Quon**, City of Lansing GIS

Afternoon Educational Topics

Afternoon Educational Topic #1a: Michigan Department of Transportation (MDOT) Online GIS

An overview of MDOT's Online GIS environment including ArcGIS Online and ArcGIS Enterprise. Some main topics include how MDOT uses these environments to increase communication on GIS efforts such as our Open Data Portal, Public Facing Maps page and our GIS News Page. In addition, see some of the most recent publicly available apps such as Bridge Conditions & Billboards!

Presented by: **Joe Thick, Michigan Department of Transportation**

Afternoon Educational Topic #1b: MDOT's Roads and Highways Implementation: A Journey

After 17 years of using an in-house oracle based LRS (Linear Referencing System) solution, MDOT made the decision to utilize Esri's Roads and Highways to modernize MDOT's three linear referencing systems and most of the core business data that relies on this referencing. Implementation of roads and highways was challenging for MDOT, and this presentation will outline what roads and highways is, how MDOT overcame the challenges and successfully implemented the solution, and some of the lessons we learned along the way.

Presented by: **Michael Reynolds, Michigan Department of Transportation**

Afternoon Educational Topic #2: Planet Labs

Planet Labs is an integrated aerospace and data analytics company that operates history's largest commercial fleet of more than 150 satellites, collecting daily high-resolution imagery of Earth's entire landmass. Planet is driven by a mission to image all of Earth's landmass every day, and make global change visible, accessible and actionable. Come and learn how Planet Labs is working with State and Local agencies Like Humboldt County, The State of Iowa Homeland Security, The State of California Department of Forestry as well as Universities like Michigan Tech and Michigan State to help them:

1. Monitor illegal Marijuana Growth
2. Respond quickly to national disasters

3. Manage forestry depletion and impact to wildlife
4. Power research projects and empower students pursuing a career in Space Technology.
5. Evaluate other civil government use cases where daily imagery could be impactful.

Presented by: **Michael Cox, Planet Labs Account Executive**